

## **Proposal for Devices for K-8 Becoming a 1:1 School**

### **Overall Philosophy:**

With technology being integrated into our classes and into our way of teaching, we need to enable our students and teachers by having these devices available at all times. Planning and signing out the devices or going to the computer labs make technology based “teachable moments” almost nonexistent. Rather than fully integrating these tools on an everyday basis, we are creating contrived settings to use technology when the spaces and devices are available. The availability of the devices ends up driving our instruction, rather than being a tool at our fingertips.

The vision of this proposal is for gradual student ownership of devices. The teachers would be responsible for the devices for their individual classes, grades k-6. Students would be assigned a particular device at the beginning of the year and would use this during the school day. Teachers would pass out and collect the devices at the beginning and ending of each day. In grades 5 and 6, students may be allowed to sign out their school device overnight IF the teacher felt this was appropriate. By grade 7, students would have had the experience of caring for their own device during the day and would understand the expectations of using these devices at school. From Grade 7 students would purchase their own devices and the teacher would no longer be responsible for their upkeep.

iPads are individual devices, they are not meant for multiple users, therefore to be sharing between students creates numerous issues. This becomes a particular limitation when students are working on long term projects and need to continue with the specific iPad that they began the project with. Examples of projects where this has been problematic include iMovie in grades 5-8, Book Creator in grades k-8, Tools4Students in grades 2-4, ShowMe in grades 1-4, Pages, Animoto, SonicPics, SimpleMind – the list goes on.

It also poses problems when students are working on apps that “save their level”. With multiple students using the same iPad and everyone using the app Cargo-bot, students are not on the correct place in the game each time they begin. This happens for many of our favorite apps: Kickbox, Kodable Pro, Light-bot, Tangrams, BigSeed, KenKen, Move the Turtle – again, the list goes on.

Laptop carts have been problematic when assigned to a specific division, as they do need daily care to make sure all are in working order and charged correctly. If each teacher had ownership of a cart, there would be fewer unknowns when using them.

### **Questions still to be answered:**

Cost – Do we charge a fee in grades k-6?

Device – Do we keep with iPads or try another tablet type device? What laptop model or operating system? Do we suggest a device for grades 7-12 or is it BYOD?

Infrastructure – Can our current infrastructure handle so many wireless devices? If not, what do we do to fix this?

Staffing – Can our IT department manage this many more devices? Who cares for the devices on a daily basis – not just charging, but maintenance, updates, adding new apps

### **Specifics**

Keep computer labs for k-3

Keep mac lab for k-8

MS lab?

#### **K - 3 - 1:1 iPads**

iPad assigned to each student for year, teacher keeps the class set of iPads in classroom. (Teacher responsible for daily iPad upkeep)

#### **Grade 4: 1:1+ iPads + Laptop Cart**

iPad assigned to each student for year, one laptop cart available for this grade.. (Teacher responsible for daily laptop & iPad upkeep)

#### **Grade 5 & 6 Laptops + iPad Cart**

Laptops assigned to each student for the year. Students may sign out to take home when needed, if teacher feels this is appropriate. One iPad cart shared between these two grade levels. (Teacher responsible for daily laptop & iPad upkeep)

#### **Grades 7 & 8 : 1:1 Laptops - student owned**

One iPad cart shared between these two grade levels. (Student responsible for laptop upkeep)